

How to Show Firmware Version via Net-SNMP (DES-3028/52)



How to show firmware version.

```
snmpwalk -c public -v2c 10.90.90.90 1.3.6.1.4.1.171.12.1.2.7.1.2
```

```
SNMPv2-SMI::enterprises.171.12.1.2.7.1.2.1 = STRING: "2.10.B06"
```

```
SNMPv2-SMI::enterprises.171.12.1.2.7.1.2.2 = STRING: "**2.10.B02"
```

The mapping of display with command "show firmware info"

ID	Version	Size (B)	Update Time	From	User
1	2.10.B06	1868952	0000/00/00 00:06:06	10.90.90.100 (CONSOLE)	Anonymous
*2	2.10.B02	1868172	0000/00/00 00:08:08	10.90.90.11 (CONSOLE)	Anonymous

The screenshot shows a network management interface with a tree view on the left and a details pane on the right. The tree view shows the following structure:

- agentBscSwFileEntry
 - agentBscSwFileIndex
 - agentBscSwFileDscr
 - agentBscSwFileAddr
 - agentBscSwFileTransferType
 - agentBscSwFile
 - agentBscSwFileLocateld
 - agentBscSwFileLoadType
 - agentBscSwFileCtrl
 - agentBscSwFileBIncrement
 - agentMultiImageCtrlID
- agentSystemReset
- agentRs232PortConfig
- agentSaveCfg
- swMultiImageInfoTable
 - swMultiImageInfoEntry
 - swMultiImageInfoID
 - swMultiImageVersion
 - swMultiImageSize
 - swMultiImageUpdateTime
 - swMultiImageFrom
 - swMultiImageSendUser
- agentIpProtoConfig
 - agentIpNumOfIf
 - agentIpTftpServerAddr
 - agentIpGetIpFrom
- agentConsoleModeManager
 - agentConsoleModeManagerDataBits
 - agentConsoleModeManagerStopBits

The details pane for swMultiImageInfoTable shows the following information:

- Object name: swMultiImageInfoTable
- Object ID: 1.3.6.1.4.1.171.12.1.2.7
- Module: AGENT-GENERAL-MIB
- Base syntax: Sequence Of swMultiImageInfoEntry
- Access: Not_Accessible
- Status: Current
- Sequence:
 - 1:swMultiImageInfoID - Integer
 - 2:swMultiImageVersion - Octet String
 - 3:swMultiImageSize - Integer
 - 4:swMultiImageUpdateTime - Octet String
 - 5:swMultiImageFrom - Octet String
 - 6:swMultiImageSendUser - Octet String
- Parent node: agentBasicConfig
- First child: swMultiImageInfoEntry
- Description:

Object name: swMultiImageInfoID
 Object ID: 1.3.6.1.4.1.171.12.1.2.7.1.1
 Module: AGENT-GENERAL-MIB

Base syntax: Integer
 Composed syntax: INTEGER
 Access: Read-Only
 Status: Current

Parent node: swMultiImageInfoEntry
 First child: None
 Description: The section ID of firmware image.

Object name: swMultiImageVersion
 Object ID: 1.3.6.1.4.1.171.12.1.2.7.1.2
 Module: AGENT-GENERAL-MIB

Base syntax: Octet String
 Composed syntax: DisplayString
 Access: Read-Only
 Status: Current
 Value list: 1 : 0.32

Parent node: swMultiImageInfoEntry
 First child: None
 Description: The record of downloaded firmware version.

The screenshot shows a network management interface. On the left is a tree view of nodes. The selected node is `swMultiImageSize` under `swMultiImageInfoEntry`. The right panel shows the following properties:

Object name	swMultiImageSize
Object ID	1.3.6.1.4.1.171.121.2.7.1.3
Module	AGENT-GENERAL-MIB
Base syntax	Integer
Composed syntax	Integer32
Access	Read-Only
Status	Current
Parent node	swMultiImageInfoEntry
First child	None
Description	The record of downloaded firmware size.

The screenshot shows the same network management interface, but with a different node selected. The selected node is `swMultiImageUpdateTime` under `swMultiImageInfoEntry`. The right panel shows the following properties:

Object name	swMultiImageUpdateTime
Object ID	1.3.6.1.4.1.171.121.2.7.1.4
Module	AGENT-GENERAL-MIB
Base syntax	Octet String
Composed syntax	DisplayString
Access	Read-Only
Status	Current
Value list	1 : 0.32
Parent node	swMultiImageInfoEntry
First child	None
Description	The record of firmware updated time.

The screenshot shows a network management interface. On the left is a tree view of nodes. The selected node is 'swMultiImageFrom' under the 'swMultiImageInfoTable' hierarchy. On the right is a properties panel for the selected node.

Object name	swMultiImageFrom
Object ID	1.3.6.1.4.1.171.12.1.2.7.1.5
Module	AGENT-GENERAL-MIB
Base syntax	Octet String
Composed syntax	DisplayString
Access	Read-Only
Status	Current
Value list	1 : 0.32
Parent node	swMultiImageInfoEntry
First child	None
Description	The record of ip address of tftp server.

The screenshot shows a network management interface. On the left is a tree view of nodes. The selected node is 'swMultiImageSendUser' under the 'swMultiImageInfoTable' hierarchy. On the right is a properties panel for the selected node.

Object name	swMultiImageSendUser
Object ID	1.3.6.1.4.1.171.12.1.2.7.1.6
Module	AGENT-GENERAL-MIB
Base syntax	Octet String
Composed syntax	DisplayString
Access	Read-Only
Status	Current
Value list	1 : 0.32
Parent node	swMultiImageInfoEntry
First child	None
Description	The record of user who download the firmware.